

In th Claims

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Please cancel claims 3 – 6, 9 – 17, and 20 – 26 as drawn to a non-elected invention.

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Please cancel claim 18. Please amend claim 1 and add new claims 27 through 29 as set out below. A clean version of amended claim 1 is given below and a marked-up version showing the changes is attached.

Sub 13
1. (TWICE AMENDED) A method of manufacturing a sensor device comprising a circuit having organic thin films formed on surfaces of microelectrodes, and a transducing element capable of transducing information recognized by the organic thin films into electric signals, the method comprising:

printing a solution of thin film material through an ink jet nozzle onto the surfaces of the microelectrodes such that organic thin films are formed on the microelectrodes, wherein the solution comprises an electro-conductive polymer, a solvent, and a material selected from the group consisting of enzymes, antibodies, artificially synthesized molecules having recognizing functions similar to those of enzymes or antibodies, and mixtures thereof,

wherein the ink jet nozzle has a piezo-electric element, the ink jet nozzle is a multi-line head nozzle, and the solution has a viscosity of about 3 centipoise or less.